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(1)	56	DECLARATIONS
(1)	105	CONDITION TABLES
(1)	130	TM SETUP, TM CLEANUP
(1)	201	CONDITION SUBROUTINES - SETUP AND CLEANUP
(1)	271	FORM CONDS
(1)	364	VERIFY
(1)	612	VFY CLEANUP
(1)	669	BUILD CLUST SUBROUTINE
(1)	723	READ_DACEFC SUBROUTINE

0000 1 .TITLE SATSSS52,SATS SYSTEM SERVICE TESTS \$DLCEFC (SUCC S.C.)
0000 2 .IDENT 'V04-000'
0000 3 :
0000 4 :
0000 5 :*****
0000 6 :
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0000 24 :
0000 25 :
0000 26 :*****
0000 27 :
0000 28 :
0000 29 :++
0000 30 :FACILITY: SYSTST (SATS SYSTEM SERVICE TESTS)
0000 31 :
0000 32 :ABSTRACT:
0000 33 :
0000 34 : THIS MODULE CONTAINS SUBROUTINES WHICH, WHEN LINKED
0000 35 : WITH SUCCOMMON.OBJ, FORM TEST MODULE SATSSS52 TO TEST SUCCESSFUL
0000 36 : OPERATION OF THE \$DLCEFC SYSTEM SERVICE. THE SERVICE IS INVOKED
0000 37 : UNDER VARIOUS INPUT CONDITIONS WITH VARYING INPUT PARAMETERS. ONLY
0000 38 : SUCCESSFUL STATUS CODES ARE EXPECTED IN THIS TEST MODULE. CORRECT
0000 39 : OPERATION OF THE SERVICE FOR EACH OF ITS ISSUANCES IS VERIFIED BY
0000 40 : CHECKING FOR AN SS\$ NORMAL STATUS CODE, EXPECTED RETURN ARGUMENTS
0000 41 : AND EXPECTED FUNCTIONALITY PERFORMED.
0000 42 :
0000 43 :ENVIRONMENT: USER MODE IMAGE; NEEDS CMKRL PRIVILEGE,
0000 44 : DYNAMICALLY ACQUIRES OTHER PRIVILEGES, AS NEEDED.
0000 45 :
0000 46 :AUTHOR: THOMAS L. CAFARELLA. CREATION DATE: JAN. 1978
0000 47 :
0000 48 :MODIFIED BY:
0000 49 :
0000 50 : VERSION 1.5 : 25-MAY-79
0000 51 :
0000 52 :01 LDJ 10/11/79 Fixed bug caused by DIB\$K_LENGTH change ACG052.RNO mem
0000 53 :
0000 54 :--

0000 56 : .SBTTL DECLARATIONS
0000 57 :
0000 58 : INCLUDE FILES:
0000 59 :
0000 60 : \$PRVDEF : PRIVILEGE BIT DEFINITIONS
0000 61 : \$PHDDEF : PROCESS HEADER OFFSETS
0000 62 : \$PQLDEF : PROCESS QUOTA CODES
0000 63 : \$DIBDEF : DEVICE INFO BLOCK OFFSETS
0000 64 :
0000 65 : MACROS:
0000 66 :
0000 67 :
0000 68 : EQUATED SYMBOLS:
0000 69 :
0000 70 :
0000 71 : OWN STORAGE:
0000 72 :

```
00000000 74 .PSECT RODATA,RD,NOWRT,NOEXE,LONG
0000 75 TEST_MOD_NAME:: STRING C,<SATSSS52> : TEST MODULE NAME
0009 76 TEST_MOD_NAME_D: STRING I,<SATSSS52> : TEST MODULE NAME DESCRIPTOR
0019 77 MSG1_INP_CTL: STRING I,< SSDEF!4ZW: CONDITIONS:>
0039 78 : FAO CTL STRING FOR MSG1 IN SUCCOMMON.MAR
0039 79 MSG3_ERR_CTL:: STRING I,< *SSDEF!4ZW: !AS>
0051 80 : FAO CTL STRING FOR MSG3 IN SUCCOMMON.MAR
0051 81 CREPRN: STRING I,<SATSSS52_CRE> : CREATED PROCESS NAME
0065 82 CLUS_NAME: STRING I,<SATSSS52_CLUS> : SUBJECT CLUSTER NAME
007A 83 IMAGNAME: STRING I,<SYSTSTSRES:SATSUT10.EXE> : IMAGE NAME FOR CREATED PROC
0099 84 QUOTALIST: SQUOTA CPULM,0 : INFINITE CPU
009E 85 SQUOTA BYTLM,512 : BYTE LIMIT FOR BUFFERED I/O
00A3 86 SQUOTA FILLM,2 : OPEN FILE COUNT LIMIT
00A8 87 SQUOTA PGFLQUOTA,10 : PAGING FILE QUOTA
00AD 88 SQUOTA PRCLM,2 : SUBPROCESS QUOTA
00B2 89 SQUOTA TQELM,3 : TIMER QUEUE ENTRY QUOTA
00B7 90 SQUOTA LISTEND : DEFINES END OF LIST
```

00000000	92	.PSECT	RWDATA,RD,WRT,NOEXE,LONG	
00000008	0000	93	PRIVMASK:	.BLKQ 1 : ADDR OF PRIVILEGE MASK (IN PHD)
0000000C	0008	94	MBXCHAN:	.BLKL 1 : CHAN NO. FOR MAILBOX FOR CREATED PROCESS
	000C	95	MBXCHANINFO:	: CHANNEL INFO RETURNED BY GETCHN
00000074	000C	96		.LONG DIB\$K_LENGTH
00000014	0010	97		.ADDRESS +4
00000088	0014	98		.BLKB DIB\$K_LENGTH
0000008C	0088	99	MBXUNIT:	.BLKL 1 : SAVE AREA FOR MAILBOX UNIT NUMBER
	008C	100	MBXBUFF:	STRING 0,120 : MAILBOX BUFFER FOR CREATED PROCESS
00000110	010C	101	CLUS_MASK:	.BLKL 1 : CLUSTER MASK; USED TO SET SUBJECT CLUSTER
00000114	0110	102	CLUS_STATE:	.BLKL 1 : STATE OF SUBJECT CLUSTER
00000118	0114	103	EFN_REFCT1:	.BLKL 1 : SAVE AREA FOR EFN WHEN REF CT = 1

0118 105 .SBTTL CONDITION TABLES
0118 106 :
0118 107 : ***** CONDITION TABLES FOR DLCEFC SYSTEM SERVICE *****
0118 108 :
0118 109 : COND 1,NOTARG,<CLUSTER'S PERM/TEMP SETTING AT TIME OF DLCEFC>,-
0118 110 <TEMPORARY>,-
0118 111 <PERMANENT>,-
0118 112
00000001 00000000 0163 113 .LONG 0.1 : TEMPORARY/PERMANENT
0168 114 :
0168 115 : COND 2,NOTARG,<CLUSTER'S REFERENCE COUNT AT TIME OF DLCEFC>,-
0168 116 <ZERO>,-
0168 117 <ONE (E.F. GROUP 2)>,-
0168 118 <ONE (E.F. GROUP 3)>,-
0168 119 <TWO (BOTH E.F. GROUPS)>,-
0168 120 <FOUR (BOTH E.F. GROUPS IN TWO PROCESSES)>,-
0168 121
0217 122 COND 3,NULL
0218 123
0218 124 COND 4,NULL
0219 125
0219 126 COND 5,NULL
021A 127
00000000 128 .PSECT SATSSS52.RD,WRT,EXE

0000 130 .SBTTL TM_SETUP, TM_CLEANUP
 0000 131 ++
 0000 132 : FUNCTIONAL DESCRIPTION:
 0000 133 :
 0000 134 : TM SETUP AND TM CLEANUP ARE CALLED TO PERFORM
 0000 135 : REQUIRED HOUSEKEEPING AT THE BEGINNING AND END, RESPECTIVELY, OF
 0000 136 : TEST MODULE EXECUTION.
 0000 137 :
 0000 138 : CALLING SEQUENCE:
 0000 139 :
 0000 140 : BSBW TM_SETUP BSBW TM_CLEANUP
 0000 141 :
 0000 142 : INPUT PARAMETERS:
 0000 143 :
 0000 144 : NONE
 0000 145 :
 0000 146 : IMPLICIT INPUTS:
 0000 147 :
 0000 148 : NONE
 0000 149 :
 0000 150 : OUTPUT PARAMETERS:
 0000 151 :
 0000 152 : NONE
 0000 153 :
 0000 154 : IMPLICIT OUTPUTS:
 0000 155 :
 0000 156 : TM_SETUP: COND TABLE INDEX REGISTERS (R2,3,4,5,6) CLEARED;
 0000 157 : ALL PRIVILEGES ACQUIRED.
 0000 158 :
 0000 159 : COMPLETION CODES:
 0000 160 :
 0000 161 : EFLAG SET TO NON-ZERO IF ERROR ENCOUNTERED.
 0000 162 :
 0000 163 : SIDE EFFECTS:
 0000 164 :
 0000 165 : SS CHECK AND ERR EXIT MACROS CAUSE PREMATURE EXIT
 0000 166 : (VIA RSB) IF ERROR ENCOUNTERED.
 0000 167 :--
 0000 168 :--
 0000 169 :
 0000 170 :
 0000 171 :
 0000 172 : TM_SETUP::
 52 D4 0000 173 CLRL R2 : INITIALIZE
 53 D4 0002 174 CLRL R3 : ... CONDITION
 54 D4 0004 175 CLRL R4 : TABLE
 55 D4 0006 176 CLRL R5 : INDEX
 56 D4 0008 177 CLRL R6 : REGISTERS
 FFF3' 30 000A 178 BSBW MOD_MSG PRINT : PRINT TEST MODULE BEGIN MSG
 03 00 00000000'EF DE 000D 179 MOVAL TEST_MOD_SUCC,TMD_ADDR : ASSUME END MSG WILL SHOW SUCCESS
 00000000'BF FO 0018 180 INSV #SUCCESS,#0,#3,MOD_MSG_CODE : ADJUST STATUS CODE FOR SUCCESS
 00000000'EF 0020 :
 59 00000000'9F D0 0048 181 MODE TO,\$\$ KRNLL : KERNEL MODE TO ACCESS PHD
 00000000'EF 69 DE 004F 182 MOVL #CTL\$GL PHD,R9 : GET PROCESS HEADER ADDRESS
 00056 183 MOVAL PHDSQ PRIVMSK(R9),PRIVMASK ; GET PRIV MASK ADDRESS
 00057 184 MODE FROM,\$\$; BACK TO USER MODE
 00057 185 PRIV ADD,ALL ; GET ALL PRIVILEGES

SATSSS52
V04-000

J 16
SATS SYSTEM SERVICE TESTS \$DLCEFC (SUCC 16-SEP-1984 00:57:11 VAX/VMS Macro V04-00
TM_SETUP, TM_CLEANUP 5-SEP-1984 04:32:09 [UETPSY.SRC]SATSSS52.MAR;1 Page ?
(1)

	0077	186	\$SETPRN_S TEST MOD_NAME_D ; SET PROCESS NAME
	0084	187	SS_CHECK NORMAL ; CHECK STATUS CODE RETURNED FROM SETPRN
	0082	188	\$CREMBX_S CHAN=MBXCHAN, LOGNAM=CREPRN, - ; GET MAILBOX FOR PROCESS
	00B2	189	MAXMSG=#120, PROMSK=#0, BUFQUO=#240
	00D7	190	SS_CHECK NORMAL ; CHECK NORMAL COMPLETION
	0105	191	\$GETCHN_S CHAN=MBXCHAN, - ; GET CHAN INFO (UNIT NUMBER)
	0105	192	PRIBUF=MBXCHANINFO
	011F	193	SS_CHECK NORMAL ; CHECK NORMAL COMPLETION
00000088'EF	00000020'EF	3C	0140 194 MOVZWL MBXCHANINFO+8+DIBSW_UNIT, MBXUNIT ; SAVE MAILBOX UNIT NUMBER
		05	0158 195 RSB ; RETURN TO MAIN ROUTINE
			0159 196 TM_CLEANUP::
			0159 197 \$DELMBX_S MBXCHAN ; DELETE TERMINATION MAILBOX
FE96'	30	0167 198 BSBW -MOD_MSG_PRINT ; PRINT TEST MODULE END MSG	
		05	016A 199 RSB ; RETURN TO MAIN ROUTINE

0168 201 .SBTTL CONDITION SUBROUTINES - SETUP AND CLEANUP
0165 202 :++
0168 203 : FUNCTIONAL DESCRIPTION:
0168 204
0168 205 CONDX AND CONDX CLEANUP ARE SUBROUTINES WHICH ARE EXECUTED
0168 206 BEFORE AND AFTER THE VERIFY SUBROUTINE, RESPECTIVELY, WHENEVER A NEW
0168 207 CONDITION X VALUE IS SELECTED (SEE FUNCTIONAL DESCRIPTION OF SUCCOMMON
0168 208 ROUTINE IN SUCCOMMON.MAR). ANY SETUP FUNCTION PARTICULAR TO THE
0168 209 CONDITION X TABLE IS INCLUDED IN THE CONDX SUBROUTINE AND CLEANED
0168 210 UP, IF NECESSARY, IN THE CONDX CLEANUP SUBROUTINE. THIS INCLUDES,
0168 211 ESPECIALLY, CODE TO DETECT CONFLICTS AMONG CURRENT ENTRIES IN TWO
0168 212 OR MORE CONDITION TABLES. IF A CONFLICT IS DETECTED, A NON-ZERO
0168 213 VALUE IS STORED INTO CONFLICT, WHICH CAUSES THE CALLING ROUTINE
0168 214 (SUCCOMMON) TO SKIP THE CURRENT ENTRY IN THE CONDITION X TABLE.
0168 215
0168 216 CALLING SEQUENCE:
0168 217
0168 218 BSBW CONDX BSBW CONDX_CLEANUP
0168 219 WHERE X = 1,2,3,4,5
0168 220
0168 221 INPUT PARAMETERS:
0168 222
0168 223 CONFLICT = 0
0168 224
0168 225 IMPLICIT INPUTS:
0168 226
0168 227 R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES
0168 228 FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.
0168 229
0168 230 OUTPUT PARAMETERS:
0168 231
0168 232 CONFLICT SET TO NON-ZERO IF COND TABLE CONFLICT DETECTED.
0163 233
0168 234
0168 235
0168 236 IMPLICIT OUTPUTS:
0168 237
0168 238 R2,3,4,5,6 PRESERVED
0168 239
0168 240 COMPLETION CODES:
0168 241
0168 242 NONE
0168 243
0168 244 SIDE EFFECTS:
0168 245
0168 246 NONE
0168 247
0168 248
0168 249
0168 250 COND1:: : RETURN TO MAIN ROUTINE
05 016B 251 RSB
016C 252 COND1_CLEANUP:: : RETURN TO MAIN ROUTINE
05 016C 253 RSB
016D 254 COND2:: : RETURN TO MAIN ROUTINE
05 016D 255 RSB
016E 256 COND2_CLEANUP:: : RETURN TO MAIN ROUTINE
05 016E 257 RSB

05	016F	258	COND3::	
		259	RSB	; RETURN TO MAIN ROUTINE
05	0170	260	COND3_CLEANUP::	
		261	RSB	; RETURN TO MAIN ROUTINE
05	0171	262	COND4::	
		263	RSB	; RETURN TO MAIN ROUTINE
05	0172	264	COND4_CLEANUP::	
		265	RSB	; RETURN TO MAIN ROUTINE
05	0173	266	COND5::	
		267	RSB	; RETURN TO MAIN ROUTINE
05	0174	268	COND5_CLEANUP::	
		269	RSB	; RETURN TO MAIN ROUTINE

```

0175 271 .SBTTL FORM_COND$  

0175 272 :++  

0175 273 : FUNCTIONAL DESCRIPTION:  

0175 274 : FORM CONDS FORMATS AND PRINTS INFORMATION ABOUT  

0175 275 : THE CURRENT ELEMENT IN EACH OF THE CONDITION TABLES.  

0175 276 :  

0175 277 : CALLING SEQUENCE:  

0175 278 :  

0175 279 : BSBW FORM_COND$  

0175 280 :  

0175 281 : INPUT PARAMETERS:  

0175 282 :  

0175 283 : NONE  

0175 284 :  

0175 285 : IMPLICIT INPUTS:  

0175 286 :  

0175 287 : R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES  

0175 288 : FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.  

0175 289 : FOR X = 1,2,3,4,5 :  

0175 290 :   CONDX_T - TITLE TEXT FOR CONDX TABLE  

0175 291 :   CONDX_TAB - ELEMENT TEXT FOR CONDX TABLE  

0175 292 :   CONDX_C - CONTEXT OF THE CONDX TABLE  

0175 293 :   CONDX_E - DATA ELEMENTS OF THE CONDX TABLE  

0175 294 :  

0175 295 :  

0175 296 : OUTPUT PARAMETERS:  

0175 297 :  

0175 298 :  

0175 299 :  

0175 300 : IMPLICIT OUTPUTS:  

0175 301 :  

0175 302 :  

0175 303 :  

0175 304 : COMPLETION CODES:  

0175 305 :  

0175 306 :  

0175 307 :  

0175 308 : SIDE EFFECTS:  

0175 309 :  

0175 310 :  

0175 311 :  

0175 312 :--  

0175 313 :  

0175 314 :  

0175 315 :  

0175 316 : FORM_COND$::  

0175 317 : SFAO_S MSG1_INP_CTL,FAO_LEN,FAO_DESC,TESTNUM : FORMAT CONDITIONS HEADER MSG  

0194 318 :  

14 FE69' 30 0194 319 : BSBW OUTPUT_MSG : ... AND PRINT IT  

00 91 0197 320 : CMPB #COND1_C,#NULL : IS CONDITION 1 NULL ?  

03 12 019A 321 : BNEQU 10$ : NO -- CONTINUE  

00BF 31 019C 322 : BRW FORM_COND$X : YES -- SUBROUTINE IS FINISHED  

019F 323 :  

00000000'EF 00000118'EF DE 019F 324 : MOVAL COND1_T,MSG_A : SAVE ADDRESS OF CONDITION 1 TITLE FOR FAO  

00000000'EF 00000147'EF42 DO 01AA 325 : MOVL COND1_TAB[R2],MSG_B : SAVE ADDR OF COND 1 CURR TEXT ELT FOR FAO  

00000000'EF 00 90 0186 326 : MOVB #COND1_C MSG_CTXT : SAVE CONDITION 1 CONTEXT FOR FAO  

01BD 327 : MOV_VAL COND1_C,COND1_E[R2],MSG_DATA1 : GIVE COND 1 DATA VALUE TO FAO

```

SATSSS52
V04-000SATS SYSTEM SERVICE TESTS
FORM_COND\$8 1
SDLCEFC (SUCC 16-SEP-1984 00:57:11 VAX/VMS Macro V04-00
5-SEP-1984 04:32:09 [UETPSY.SRC]SATSSS52.MAR;1Page 11
(1)SAT
Tab

14 FE40' 30 01BD 328	BSBW	WRITE_MSG2	: FORMAT AND WRITE CONDITION 1 MSG
00 91 01C0 329	CMPB	#COND2_C,#NULL	: IS CONDITION 2 NULL ?
03 12 01C3 330	BNEQU	20S	: NO -- CONTINUE
0096 31 01C5 331	BRW	FORM_COND\$X	: YES -- SUBROUTINE IS FINISHED
20S:			
00000000'EF 0000016B'EF	MOVAL	COND2_T,MSG_A	: SAVE ADDRESS OF CONDITION 2 TITLE FOR FAO
00000000'EF 00000198'EF43	MOVL	COND2_T,A[B[R3]],MSG_B	: SAVE ADDR OF COND 2 Curr TEXT ELT FOR FAO
00000000'EF 00 01DF 335	MOVB	#COND2_C,MSG_CTXT	: SAVE CONDITION 2 CONTEXT FOR FAO
00000000'EF 00 01E6 336	MOV VAL	COND2_C,[COND2_E[R3]],MSG_DATA1	: GIVE COND 2 DATA VALUE TO FAO
14 FE17' 30 01E6 337	BSBR	WRITE_MSG2	: FORMAT AND WRITE CONDITION 2 MSG
14 14 91 01E9 338	CMPB	#COND3_C,#NULL	: IS CONDITION 3 NULL ?
03 12 01EC 339	BNEQU	30S	: NO -- CONTINUE
006D 31 01EE 340	BRW	FORM_COND\$X	: YES -- SUBROUTINE IS FINISHED
30S:			
00000000'EF 00000217'EF	MOVAL	COND3_T,MSG_A	: SAVE ADDRESS OF CONDITION 3 TITLE FOR FAO
00000000'EF 00000217'EF44	MOVL	COND3_T,A[B[R4]],MSG_B	: SAVE ADDR OF COND 3 Curr TEXT ELT FOR FAO
00000000'EF 14 0208 344	MOVB	#COND3_C,MSG_CTXT	: SAVE CONDITION 3 CONTEXT FOR FAO
FDEE' 30 020F 345	MOV VAL	COND3_C,[COND3_E[R4]],MSG_DATA1	: GIVE COND 3 DATA VALUE TO FAO
14 14 91 0212 347	BSBR	WRITE_MSG2	: FORMAT AND WRITE CONDITION 3 MSG
47 13 0215 348	CMPB	#COND4_C,#NULL	: IS CONDITION 4 NULL ?
00000000'EF 00000218'EF	BEQLU	FORM_COND\$X	: YES -- SUBROUTINE IS FINISHED
00000000'EF 00000218'EF45	MOVAL	COND4_T,MSG_A	: SAVE ADDRESS OF CONDITION 4 TITLE FOR FAO
00000000'EF 14 0222 350	MOVL	COND4_T,A[B[R5]],MSG_B	: SAVE ADDR OF COND 4 Curr TEXT ELT FOR FAO
FDC8' 30 0235 352	MOVB	#COND4_C,MSG_CTXT	: SAVE CONDITION 4 CONTEXT FOR FAO
14 14 91 0238 354	MOV VAL	COND4_C,[COND4_E[R5]],MSG_DATA1	: GIVE COND 4 DATA VALUE TO FAO
21 13 0238 355	BSBR	WRITE_MSG2	: FORMAT AND WRITE CONDITION 4 MSG
00000000'EF 00000219'EF	CMPB	#COND5_C,#NULL	: IS CONDITION 5 NULL ?
00000000'EF 00000219'EF46	BEQLU	FORM_COND\$X	: YES -- SUBROUTINE IS FINISHED
00000000'EF 14 023D 356	MOVAL	COND5_T,MSG_A	: SAVE ADDRESS OF CONDITION 5 TITLE FOR FAO
FDA2' 30 0248 357	MOVL	COND5_T,A[B[R6]],MSG_B	: SAVE ADDR OF COND 5 Curr TEXT ELT FOR FAO
0254 90 0258 358	MOVB	#COND5_C,MSG_CTXT	: SAVE CONDITION 5 CONTEXT FOR FAO
025B 025B 359	MOV VAL	COND5_C,[COND5_E[R6]],MSG_DATA1	: GIVE COND 5 DATA VALUE TO FAO
025E 025E 360	BSBR	WRITE_MSG2	: FORMAT AND WRITE CONDITION 5 MSG
05 025E 361	FORM_COND\$X:		
	RSB	: RETURN TO CALLER	

025F 364 .SBTL VERIFY
025F 365 ++
025F 366 : FUNCTIONAL DESCRIPTION:
025F 367
025F 368 : VERIFY IS CALLED ONCE FOR EACH COMBINATION OF CONDITION
025F 369 : TABLE VALUES (AS DETERMINED BY THE INDEX REGISTERS R2,3,4,5,6 FOR
025F 370 : COND TABLES 1,2,3,4,5, RESPECTIVELY). VERIFY ESTABLISHES THE CONDITIONS
025F 371 : SPECIFIED BY THE COND TABLES AND ISSUES THE SUBJECT SYSTEM SERVICE
025F 372 : (\$DLCEFC). THEN, THE SUCCESSFUL OPERATION OF THE SERVICE IS VERIFIED
025F 373 : BY EXAMINING THE STATUS CODE RETURNED, THE VALUES FOR RETURN ARGUMENTS
025F 374 : AND THE FUNCTIONALITY PERFORMED. THE EXAMINATIONS TAKE THE FORM OF
025F 375 : COMPARISONS AGAINST EXPECTED VALUES. ANY FAILING COMPARISON CAUSES AN
025F 376 : ERR EXIT MACRO TO BE EXECUTED (EITHER DIRECTLY, OR INDIRECTLY,
025F 377 : THROUGH THE SS CHECK MACRO); ERR-EXIT SETS EFLAG TO NON-ZERO,
025F 378 : PRINTS ERROR MESSAGES AND CAUSES AN IMMEDIATE RSB TO CALLER.
025F 379 : WHEN ERR EXIT IS EXECUTED, FURTHER CALLS TO VERIFY ARE SUPPRESSED,
025F 380 : AND, AFTER EXECUTING CLEANUP SUBROUTINES, THE IMAGE EXITS.
025F 381
025F 382 : CALLING SEQUENCE:
025F 383
025F 384 : BSBW VERIFY
025F 385
025F 386 : INPUT PARAMETERS:
025F 387
025F 388 : NONE
025F 389
025F 390 : IMPLICIT INPUTS:
025F 391
025F 392 : R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES
025F 393 : FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.
025F 394 : FOR X = 1,2,3,4,5 :
025F 395 : CONDX_E - ADDRESS OF TABLE OF DATA VALUES FOR CONDX
025F 396 : TABLE. IF THE CONTEXT OF TABLE X IS A SYSTEM SERVICE
025F 397 : ARGUMENT, THE ARGUMENT NAME MAY BE USED AS A SYNONYM
025F 398 : FOR CONDX_E.
025F 399
025F 400 : OUTPUT PARAMETERS:
025F 401
025F 402 : NONE
025F 403
025F 404 : IMPLICIT OUTPUTS:
025F 405
025F 406 : VERIFY HAS NO OUTPUT. SINCE ITS PURPOSE IS TO TEST FOR ERRORS,
025F 407 : IT MERELY RETURNS TO CALLER NORMALLY AFTER THE TESTS, PROVIDING
025F 408 : ALL WERE SUCCESSFUL; IF AN ERROR IS DISCOVERED, RETURN IS VIA
025F 409 : AN ERR_EXIT OR SS_CHECK MACRO, BOTH OF WHICH DOCUMENT DETECTED
025F 410 : ERRORS.
025F 411
025F 412 : COMPLETION CODES:
025F 413
025F 414 : EFLAG SET TO NON-ZERO IF ERROR ENCOUNTERED.
025F 415
025F 416 : SIDE EFFECTS:
025F 417
025F 418 : SS_CHECK AND ERR_EXIT MACROS CAUSE PREMATURE EXIT
025F 419 : (VIA RSB) IF ERROR ENCOUNTERED.
025F 420

025F 421 ;--
 025F 422
 025F 423
 025F 424
 025F 425 VERIFY:
 00000000'EF 95 025F 426 TSTB CFLAG : SHOULD CONDITIONS BE PRINTED ?
 03 13 0265 427 BEQL SS : NO -- CONTINUE
 FF0B 30 0267 428 BSBW FORM_CONDS : YES -- FMT & PRINT ALL CONDS FOR THIS T.C.
 026A 429 SS:
 026A 430 :
 026A 431 : CREATE A CLUSTER AND GET IT BUILT AT LEAST ONCE, THEN DELETE
 026A 432 : IT WITH A DACEFC.
 026A 433 :
 026A 434 SASCEFC_S EFN=#64, NAME=CLUS_NAME : CREATE A NEW CLUSTER
 0281 435 SS_CHECK NORMAL : CHECK ITS COMPLETION
 5A 40 8F 9A 02AF 436 MOVZBL #64,R10 : IDENTIFY EVENT FLAG GROUP TO BUILD_CLUST
 04EA 30 02B3 437 BSBW BUILD_CLUST : BUILD THE SUBJECT CLUSTER
 00000000'EF 95 02B6 438 TSTB EFLAG : IS AN ERROR BEING PROCESSED ?
 03 13 02BC 439 BEQL 10\$: NO -- CONTINUE
 04A2 31 02BE 440 BRW VERIFYX : YES -- RETURN IMMEDIATELY
 02C1 441 10\$:
 02C1 442 \$SETEF_S EFN=#95 : ENSURE CLUSTER HAS AT LEAST ONE FLAG ON
 02CE 443 SS_CHECK WASCLR : FLAG 95 SHOULD HAVE BEEN CLEAR PREVIOUSLY
 02FC 444 \$DACEFC_S EFN=#64 : NOW GET RID OF TEMPORARY CLUSTER
 0309 445 SS_CHECK NORMAL : ... CHECK ITS COMPLETION
 0337 446 :
 0337 447 : THE FOLLOWING CASE INSTRUCTION AND SUBSEQUENT CODING
 0337 448 : ISSUES AS MANY ASCEFC'S AS NECESSARY TO ACHIEVE THE
 0337 449 : SPECIFIED REFERENCE COUNT FOR THIS TEST CASE.
 0337 450 :
 00000114'EF 40 8F 9A 0337 451 MOVZBL #64,EFN,REFCT1 : ASSUME EVENT FLAG GROUP 2
 04 00 53 8F 033F 452 CASEB R3,#0,#2 : ISSU CORRECT ASCEFC'S PER COND 2 INDEX REG
 0343 453 15\$: : START OF CASE WORD DISPLACEMENTS
 000D' 0343 454 .WORD 20\$-15\$: REF COUNT 0
 0010' 0345 455 .WORD 30\$-15\$: REF COUNT 1. EVENT FLAG GROUP 2
 005D' 0347 456 .WORD 40\$-15\$: REF COUNT 1. EVENT FLAG GROUP 3
 00B2' 0349 457 .WORD 50\$-15\$: REF COUNT 2
 00B2' 034B 458 .WORD 50\$-15\$: REF COUNT 4
 01A5 31 034D 459 BRW 55\$: BRANCH PAST CASE ROUTINES
 0350 460 20\$:
 0350 461 :
 0350 462 : REF COUNT 0, NO ASCEFC'S TO BE ISSUED
 0350 463 :
 01B7 31 0350 464 BRW 60\$: GO ON TO ISSUE SUBJECT DLCEFC
 0353 465 30\$:
 0353 466 :
 0353 467 : REF COUNT 1. EVENT FLAG GROUP 2
 0353 468 :
 0353 469 SASCEFC_S EFN=EFN,REFCT1, - : INCREMENT REF COUNT; EFN SET UP ABOVE
 0353 470 NAME=CLUS_NAME -
 0353 471 PERM=COND_T_E[R2]
 036F 472 SS_CHECK NORMAL : CHECK FOR NORMAL COMPLETION
 039D 473 BRW 55\$: GO BUILD THE CLUSTER JUST CREATED
 03A0 474 40\$:
 03A0 475 :
 03A0 476 : REF COUNT 1. EVENT FLAG GROUP 3
 03A0 477 :

00000114'EF 60 BF 9A 03A0 478 MOVZBL #96,EFN REFCT1 : EST EFN FOR E.F. GROUP 3
 03A8 479 \$ASCEFC_S EFN=EFN REFCT1, - : INCREMENT REF COUNT
 03A8 480 NAME=CLUS_NAME -
 03A8 481 PERM=COND_T_E[R2]
 0100 31 03C4 482 SS CHECK NORMAL : CHECK FOR NORMAL STATUS CODE
 03F2 483 BRW 55S : GO BUILD CLUSTER JUST CREATED
 03F5 484 50\$: :
 03F5 485 : REF COUNT 2 OR 4, BOTH EVENT FLAG GROUPS IN THIS PROCESS
 03F5 486 \$ASCEFC_S EFN=#64, - : INCREMENT REF COUNT
 03F5 487 NAME=CLUS_NAME -
 03F5 488 PERM=COND_T_E[R2]
 0411 491 SS CHECK NORMAL : CHECK FOR NORMAL COMPLETION
 043F 492 \$ASCEFC_S EFN=#96, - : INCREMENT REF COUNT
 043F 493 NAME=CLUS_NAME -
 043F 494 PERM=COND_T_E[R2]
 04 53 D1 045B 495 SS CHECK NORMAL : CHECK FOR NORMAL COMPLETION
 67 12 0489 496 CMPL R3 #4 : FIFTH COND 2 ELEMENT (REF COUNT 4) ?
 048C 497 BNEQU 55S : NO -- REF COUNT IS 2 -- NO MORE ASCEFC'S
 048E 498 : YES -- CREATED PROC ISSUE 2 MORE ASCEFC'S
 048E 499 SCREPRC_S PRCNAM=CREPRN, IMAGE=IMAGNAM, -
 048E 500 MBXUNT=MBXUNIT, QUOTA=QUOTALIST
 04C0 501 SS CHECK NORMAL : CHECK CREPRC COMPLETION STATUS
 04EE 502 \$HIBER_S : SLEEP UNTIL CREATED PROCESS DOES ASCEFC'S
 04F5 503 55\$: :
 04F5 504 : END OF CASE ROUTINES
 04F5 505 :
 04F5 506 : AT THIS POINT, AT LEAST ONE ASCEFC HAS BEEN ISSUED; CALL
 04F5 507 : BUILD_CLUST TO GET THE CREATED CLUSTER BUILT.
 04F5 508 :
 04F5 509 :
 5A 00000114'EF D0 04F5 510 MOVL EFN REFCT1, R10 : ESTABLISH EFN FOR BUILD_CLUST
 02A1 30 04FC 511 BSBW BUILD_CLUST : BUILD CLUSTER
 00000000'EF 95 04FF 512 TSTB EFLAG : IS AN ERROR BEING PROCESSED ?
 03 13 0505 513 BEQL 60\$: NO -- CONTINUE
 0259 31 0507 514 BRW VERIFYX : YES -- RETURN IMMEDIATELY
 050A 515 60\$: :
 050A 516 :***** SYSTEM SERVICE CALL WHICH IS THE SUBJECT OF THIS TEST CASE *****
 050A 517 :
 050A 518 :
 00000000'8F 50 D1 0517 519 \$DLCEFC_S NAME=CLUS_NAME : CLEAR PERMANENT INDICATOR
 61 13 051E 520 CMPL R0 #SSS_NORMAL : CODE RECEIVED = CODE EXPECTED ?
 00000000'EF 00000000'8F D0 0520 521 BEQLU 70\$: YES -- CONTINUE
 00000000'EF 50 D0 052B 522 MOVL #SSS_NORMAL, EXPV : LOAD UP EXPECTED AND
 0532 523 MOVL R0, RCV : RECEIVED VALUES, THEN EXIT
 0532 524 ERR_EXIT LONG,<INCORRECT STATUS CODE RETURNED FROM DLCEFC>
 0581 525 70\$: :
 0581 526 : TO VERIFY THE SUBJECT DLCEFC, THE CLUSTER'S REFERENCE COUNT
 0581 527 WILL BE DROPPED TO 0 (BY ISSUING DACEFC'S) AND THEN AN :
 0581 528 ADDITIONAL ASCEFC WILL BE ISSUED TO CREATE A NEW CLUSTER :
 0581 529 WHICH WILL BE VERIFIED TO BE ALL 0'S. BEFORE EACH DACEFC :
 0581 530 IS ISSUED, A READDEF OF THE CLUSTER WILL BE DONE TO ENSURE :
 0581 531 THAT THE CLUSTER REMAINS EQUAL TO THE CLUSTER MASK. THIS :
 0581 532 GUARANTEES THAT THE REFERENCE COUNT WAS CORRECT AND, IN :
 0581 533 FACT, THAT THE CLUSTER IS NOT DELETED UNTIL THE COUNT :

0581 535 : GOES TO 0.

0581 536 :
 0581 537 :
 0581 538 : THE FOLLOWING CASE STATEMENT AND SUBSEQUENT CODING
 0581 539 : DECREMENTS THE REFERENCE COUNT BY ISSUING THE CORRECT
 0581 540 : SEQUENCE OF DACEFC'S, BASED ON THE REFERENCE COUNT
 0581 541 : FOR THIS TEST CASE.
 0581 542 :

04 00 53 8F	0581 543 : CASEB R3,#0,#4	; ISSU CORRECT DACEFC'S PER COND 2 INDEX REG
000D' 31	0585 544 75\$: .WORD 80\$-75\$; CASE INSTRUCTION WORD DISPLACEMENTS
0010' 31	0585 545 .WORD 90\$-75\$; REF COUNT 0
0010' 31	0587 546 .WORD 90\$-75\$; REF COUNT 1. EVENT FLAG GROUP 2
0028' 31	0589 547 .WORD 100\$-75\$; REF COUNT 1. EVENT FLAG GROUP 3
0028' 31	058B 548 .WORD 100\$-75\$; REF COUNT 2
00DB 31	058D 549 .WORD 100\$-75\$; REF COUNT 4
	058F 550 BRW 130\$; BRANCH PAST CASE ROUTINES
	0592 551 80\$:	
	0592 552 : REF COUNT 0. NO DACEFC NECESSARY	
00D8 31	0592 553	
	0592 554 :	
	0592 555 BRW 130\$; GO ON TO CHECK CLUSTER FOR 0'S
	0595 556 90\$:	
	0595 557 :	
	0595 558 : REF COUNT 1, ISSUE ONE DACEFC	
	0595 559 :	
00000114'EF 02A7 30	0595 560 MOVL EFN,REFCT1,R10	; SET UP CORRECT EFN FOR READ DACEFC SUBRTN
00000000'EF 03 13	059C 561 BSBW READ DACEFC	; CHECK THE CLUSTER AND DISASSOCIATE
01B9 31	059F 562 TSTB EFLAG	; IS AN ERROR BEING PROCESSED ?
	05A5 563 BEQL 95\$; NO -- CONTINUE
	05A7 564 BRW VERIFYX	; YES -- RETURN IMMEDIATELY
00C0 31	05AA 565 95\$: BRW 130\$; GO ON TO CHECK CLUSTER FOR 0'S
	05AD 566 100\$:	
	05AD 567 : REF COUNT 2 OR 4, ISSUE 2 OR 4 DACEFC'S	
	05AD 568 :	
	05AD 569 :	
04 53 03 13 0094 31	05AD 570 CMPL R3,#4	; FIFTH COND 2 ELEMENT (REF COUNT 4) ?
	05B0 571 BEQLU 105\$; YES -- CONTINUE
	05B2 572 BRW 110\$; NO -- REF COUNT MUST BE 2
	05B5 573 105\$: S_WAKE_S PRCNAM=CREPRN	; WAKE PROCESS TO GET DACEFC'S ISSUED
	05C4 575 SS_CHECK NORMAL	; CHECK FOR NORMAL STATUS CODE
	05F2 576 SQIOW_S CHAN=MBXCHAN, FUNC=#IOS	; READVBLK, -
	05F2 577 P1=MBXBUFF+8, P2=MBXBUFF	
	061B 578 110\$: SS_CHECK NORMAL	; AND WAIT FOR IT TO SEND MAIL
	061B 579 :	
	061B 580 :	
	0649 581 110\$: MOVZBL #64,R10	; CHECK FOR NORMAL STATUS CODE
5A 40 8F 01F6 30	0649 582 BSBW READ DACEFC	; SET UP CORRECT EFN FOR READ DACEFC SUBRTN
00000000'EF 03 13	064D 583 TSTB EFLAG	; CHECK THE CLUSTER AND DISASSOCIATE
0108 31	0650 584 BEQL 120\$; IS AN ERROR BEING PROCESSED ?
	0656 585 BRW VERIFYX	; NO -- CONTINUE
	0658 586 120\$: MOVZBL #96,R10	; YES -- RETURN IMMEDIATELY
5A 60 8F 01E4 30	065B 588 BSBW READ DACEFC	; SET UP CORRECT EFN FOR READ DACEFC SUBRTN
00000000'EF 03 13	065F 589 TSTB EFLAG	; CHECK THE CLUSTER AND DISASSOCIATE
	0662 590 BEQL 130\$; IS AN ERROR BEING PROCESSED ?
	0668 591	; NO -- CONTINUE

SATSSS52
V04-000

SATS SYSTEM SERVICE TESTS G 1
VERIFY \$DLCEFC (SUCC 16-SEP-1984 00:57:11 VAX/VMS Macro V04-00
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00F6 31 066A 592 : BRW VERIFYX : YES -- RETURN IMMEDIATELY
066D 593 130\$: :
066D 594 :
066D 595 : REFERENCE COUNT SHOULD BE DOWN TO 0 AND CLUSTER DELETED.
066D 596 : DO ONE MORE ASCEFC AND EXPECT A CLUSTER OF 0'S.
066D 597 :
066D 598 : SASCEFC_S EFN=#64, NAME=CLUS_NAME ; RE-ASSOCIATE SAME CLUSTER
0684 599 : SS_CHECR NORMAL ; CHECK COMPLETION STATUS
06B2 600 : \$READEF_S EFN=#64, STATE=CLUS_STATE ; READ CLUSTER
2E 50 E8 06C5 601 : BLBS -R0,140\$; CONTINUE IF NORMAL COMPLETION
06C8 602 : SS_CHECK NORMAL ; USE SS_CHECK TO TERMINATE TEST MODULE
06F6 603 140\$: :
00000110'EF D5 06F6 604 : TCTL CLUS STATE : IS CLUSTER INITIALIZED TO 0'S ?
65 13 06FC 605 : BEQLU VERIFYX : YES -- THIS TEST CASE COMPLETE
00000000'EF D4 06FE 606 : CLR L EXPV : NO -- LOAD EXPECTED AND ...
00000000'EF D0 0704 607 : MOVL CLUS STATE, RCV : RECEIVED VALUES, THEN EXIT
070F 608 : ERR_EXIT LONG,<DELETED AND RE-ASSOCIATED CLUSTER NOT RE-INIT'D>
0763 609 VERIFYX: :
05 0763 610 : RSB : RETURN TO CALLER

0764 612 .SBTTL VFY_CLEANUP
0764 613 ++
0764 614 : FUNCTIONAL DESCRIPTION:
0764 615
0764 616 VFY CLEANUP EXECUTES SYSTEM SERVICES TO UNDO THE
0764 617 EFFECT OF THOSE ISSUED IN THE VERIFY SUBROUTINE. VFY CLEANUP MUST
0764 618 ASSUME THAT VERIFY MAY NOT HAVE EXECUTED IN ITS ENTIRETY (IF AN
0764 619 ERROR IS FOUND). ALSO, VFY CLEANUP MAY ISSUE SS CHECK OR ERR_EXIT
0764 620 ONLY AFTER PERFORMING ALL OF ITS CLEANUP OPERATIONS. THIS IS REQUIRED
0764 621 IN THE EVENT THAT VFY CLEANUP IS CALLED DURING ERROR PROCESSING,
0764 622 WHEN PERFORMING THE REQUIRED CLEANUP IS MORE IMPORTANT THAN
0764 623 POSSIBLY DISCOVERING A SECOND ERROR.
0764 624
0764 625 CALLING SEQUENCE:
0764 626
0764 627 BSBW VFY_CLEANUP
0764 628
0764 629 INPUT PARAMETERS:
0764 630
0764 631 NONE
0764 632
0764 633 IMPLICIT INPUTS:
0764 634
0764 635 R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES
0764 636 FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.
0764 637 FOR X = 1,2,3,4,5 :
0764 638 CONDX_E - ADDRESS OF TABLE OF DATA VALUES FOR CONDX
0764 639 TABLE. IF THE CONTEXT OF TABLE X IS A SYSTEM SERVICE
0764 640 ARGUMENT, THE ARGUMENT NAME MAY BE USED AS A SYNONYM
0764 641 FOR CONDX_E.
0764 642
0764 643 OUTPUT PARAMETERS:
0764 644
0764 645 NONE
0764 646
0764 647 IMPLICIT OUTPUTS:
0764 648
0764 649 NONE
0764 650
0764 651 COMPLETION CODES:
0764 652
0764 653 EFLAG SET TO NON-ZERO IF ERROR ENCOUNTERED.
0764 654
0764 655 SIDE EFFECTS:
0764 656
0764 657 SS CHECK AND ERR EXIT MACROS CAUSE PREMATURE EXIT
0764 658 (VIA RSB) IF ERROR ENCOUNTERED.
0764 659
0764 660 --
0764 661
0764 662
0764 663
0764 664 VFY_CLEANUP:
0764 665 \$DLCEFC S NAME=CLUS_NAME ; CLEAR PERM INDICATOR IF PRESENT ...
0771 666 SS_CHECK NORMAL ; AND CHECK COMPLETION
05 079F 667 RSB ; RETURN TO CALLER

					.SBTTL BUILD_CLUST SUBROUTINE	

					BUILD_CLUST SUBROUTINE	
					THIS SUBROUTINE CREATES A 32-BIT CLUSTER MASK BY CONCATENATING THE LOW-ORDER BYTES OF REGS R2-R5. IT THEN SETS CLUSTER A EQUAL TO THE MASK BY ISSUING THE PROPER COMBINATION OF 32 SSETEF/CLREF'S.	
					INPUTS:	
					R2,R3,R4,R5 - CONDITION TABLE INDEX VALUES	
					R10 - ANY EFN IN CLUSTER A	
					OUTPUTS:	
					CLUS_MASK - LONGWORD CONTAINING THE CREATED CLUSTER MASK.	
					SUBJECT CLUSTER - UPDATED TO LOOK LIKE CLUS_MASK.	
					VOLATILE REGISTERS:	
					R0, R1, R8, R9	

			07A0	699	BUILD_CLUST:	
		55	90	07A0	MOVBL R5,CLUS_MASK	: BUILD
		54	90	07A7	MOVBL R4,CLUS_MASK+1	... CLUSTER
		53	00	07AE	MOVBL R3,CLUS_MASK+2 MASK
		52	90	07B5	MOVBL R2,CLUS_MASK+3
					THE FOLLOWING CODE SETS SUBJECT CLUSTER EQUAL TO CLUS_MASK	
			07BC	704		
			07BC	705	20\$:	: ESTABLISH FIRST EFN (EVENT FLAG NO.)
		58	5A	07BC	MOVL R10,R8	: INIT OFFSET INTO CLUS_MASK
		59	D4	07BF	CLRL R9	
	A 0000010C'EF	59	E0	07C1	BBS R9,CLUS_MASK,30\$: ISSUE \$SSETEF IF BIT FOR THIS FLAG IS SET
				07C9	\$CLREF_S EFN=R8	: OTHERWISE, ISSUE \$CLREF
		68	50	07D2	BLBS R0,40\$: IF NORMAL STATUS, PROCESS NEXT EVENT FLAG
				07D5	SS_CHECK NORMAL	: USE SS_CHECK TO TERMINATE TEST MODULE
				0803	30\$:	
		2E	50	0803	\$SSETEF_S EFN=R8	: SET CURRENT EVENT FLAG
				080C	BLBS R0,40\$: IF NORMAL STATUS, PROCESS NEXT EVENT FLAG
				080F	SS_CHECK NORMAL	: USE SS_CHECK TO TERMINATE TEST MODULE
				083D	40\$:	
		FF7C	59	01	INCW R8	: GET NEXT EFN
			58	1F	ACBB #31,#1,R9,20\$: GO DO NEXT EVENT FLAG
			9D	083F	RSB	: RETURN TO CALLER
			05	0845		

K 1

SATS SYSTEM SERVICE TESTS \$DLCEFC (SUCC 16-SEP-1984 00:57:11 VAX/VMS Macro V04-00
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SSSS	= 000008B3	R	04	DIBSW_UNIT	= 0000000C		
SSSCHARS	= 00000034			EFLAG	*****	X	04
SSSCHARS1	= 00000004			EFN_REFCT1	00000114	R	03
SSSCHARS2	= 00000012			EXPV	*****	X	04
SSSCHARS3	= 00000012			FAO_DESC	*****	X	04
SSSCHARS4	= 00000016			FAO_LEN	*****	X	04
SSSCHARS5	= 00000028			FORM_CONDS	00000175	RG	04
SSSCOND_A	= 00000004			FORM_CONDSX	0000025E	R	04
SSSSTRINGS	= 00000001			IMAGNAM	0000007A	R	02
SSSSTRINGS2	= 00000005			IOS_READVBLK	*****	X	04
SST1	= 00000000			LONG	= 00000004	G	
SST2	= 00000004			MBXBUFF	0000008C	R	03
BUILD_CLUST	000007A0	R	04	MBXCHAN	00000008	R	03
BYTE	= 00000001	G		MBXCHANINFO	0000000C	R	03
CFLAG	*****	X	04	MBXUNIT	00000088	R	03
CHMRTN	*****	X	04	MOD_MSG_CODE	*****	X	04
CHM_CONT	*****	X	04	MOD_MSG_PRINT	*****	X	04
CLUS_MASK	0000010C	R	03	MSGT_INP_CTL	00000019	R	02
CLUS_NAME	00000065	R	02	MSG3_ERR_CTL	00000039	RG	02
CLUS_STATE	00000110	R	03	MSG_A	*****	X	04
COMP_SC	*****	X	04	MSG_B	*****	X	04
COND_T	00000168	RG	04	MSG_CTXT	*****	X	04
COND1_C	= 00000000			NOTARG	= 00000000	G	
COND1_CLEANUP	0000016C	RG	04	NULL	= 00000014	G	
COND1_E	00000163	R	03	OUTPUT_MSG	*****	X	04
COND1_H	00000146	RG	03	PCV	*****	X	04
COND1_T	00000118	R	03	PHDSQ_PRIVMSK	= 00000000		
COND1_TAB	00000147	R	03	PQLS_BYTLM	= 00000003		
COND2	0000016D	RG	04	PQLS_CPULM	= 00000004		
COND2_C	= 00000000			PQLS_FILM	= 00000006		
COND2_CLEANUP	0000016E	RG	04	PQLS_LISTEND	= 00000000		
COND2_E	00000217	R	03	PQLS_PGFLQUOTA	= 00000007		
COND2_H	00000197	RG	03	PQLS_PRCLM	= 00000008		
COND2_T	0000016B	R	03	PQLS_TQELM	= 00000009		
COND2_TAB	00000198	R	03	PRIVMASK	00000000	R	03
COND3	0000016F	RG	04	PRIV_ARGS	= 00000002		
COND3_C	= 00000014			PROCESS_ERR	*****	X	04
COND3_CLEANUP	00000170	RG	04	QUAD	= 00000008	G	
COND3_H	00000217	RG	03	QUOTALIST	00000099	R	02
COND3_T	00000217	R	03	READ_DACEFC	00000846	R	04
COND3_TAB	00000217	R	03	READ_DACEFCX	00000939	R	04
COND4	00000171	RG	04	RECV	*****	X	04
COND4_C	= 00000014			REST_REGS	*****	X	04
COND4_CLEANUP	00000172	RG	04	SAVE_REGS	*****	X	04
COND4_H	00000218	RG	03	SSS_NORMAL	*****	X	04
COND4_T	00000218	R	03	SSS_WASCLR	*****	X	04
COND4_TAB	00000218	R	03	SUCCESS	*****	X	04
COND5	00000173	RG	04	SYSSASCEFC	*****	GX	04
COND5_C	= 00000014			SYSSCLREF	*****	GX	04
COND5_CLEANUP	00000174	RG	04	SYSSCMKRL	*****	GX	04
COND5_H	00000219	RG	03	SYSSCREMBX	*****	GX	04
COND5_T	00000219	R	03	SYSSCREPRC	*****	GX	04
COND5_TAB	00000219	R	03	SYSSDACEFC	*****	GX	04
CREPRN	00000051	R	02	SYSSDELMBX	*****	GX	04
CTL\$GL_PHD	*****	X	04	SYSSDLCEFC	*****	GX	04
DESC	= 00000010	G		SYSSFAO	*****	X	04
DIBSK_LENGTH	= 00000074			SYSSGETCHN	*****	GX	04

SATSSS52
Symbol table

SATS SYSTEM SERVICE TESTS ^{L 1} **SDLCEFC** (SUCC 16-SEP-1984 00:57:11 VAX/VMS Macro V04-00
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SYSSHIBER	*****	GX	04
SYSSQIOW	*****	GX	04
SYSSREADEF	*****	GX	04
SYSSSETEF	*****	GX	04
SYSSSETPRN	*****	GX	04
SYSSSETPRV	*****	GX	04
SYSSWAKE	*****	GX	04
TESTNUM	*****	X	04
TEST_MOD_NAME	00000000	RG	02
TEST_MOD_NAME_D	00000009	R	02
TEST_MOD_SUCC	*****	X	04
TMD_ADDR	*****	X	04
TM_CLEANUP	00000159	RG	04
TM_SETUP	00000000	RG	04
VERIFY	0000025F	RG	04
VERIFYX	00000763	R	04
VFY_CLEANUP	00000764	RG	04
WORD	= 00000002	G	04
WRITE_MSG2	*****	X	04

+-----+
! Psect synopsis !
+-----+

PSECT name	Allocation	PSECT No.	Attributes	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE
. ABS .	00000000	(0.) 00	(0.) NOPIC	USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC BYTE
\$ABSS\$	00000000	(0.) 01	(1.) NOPIC	USR	CON	ABS	LCL	NOSHR	EXE	RD	WRT	NOVEC BYTE
RODATA	000000BC	(188.) 02	(2.) NOPIC	USR	CON	REL	LCL	NOSHR	NOEXE	RD	NOWRT	NOVEC LONG
RWDATA	0000021A	(538.) 03	(3.) NOPIC	USR	CON	REL	LCL	NOSHR	NOEXE	RD	WRT	NOVEC LONG
SATSSS52	0000093A	(2362.) 04	(4.) NOPIC	USR	CON	REL	LCL	NOSHR	EXE	RD	WRT	NOVEC BYTE

+-----+
! Performance indicators !
+-----+

Phase	Page faults	CPU Time	Elapsed Time
Initialization	35	00:00:00.07	00:00:00.31
Command processing	140	00:00:00.68	00:00:02.93
Pass 1	292	00:00:08.83	00:00:16.59
Symbol table sort	0	00:00:00.60	00:00:00.63
Pass 2	158	00:00:02.39	00:00:03.13
Symbol table output	16	00:00:00.10	00:00:00.13
Psect synopsis output	2	00:00:00.03	00:00:00.03
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	645	00:00:12.70	00:00:23.76

The working set limit was 1650 pages.

47530 bytes (93 pages) of virtual memory were used to buffer the intermediate code.

There were 30 pages of symbol table space allocated to hold 357 non-local and 80 local symbols.

774 source lines were read in Pass 1, producing 28 object records in Pass 2.

50 pages of virtual memory were used to define 40 macros.

+-----+
! Macro library statistics !
+-----+

Macro library name

\$255\$DUA28:[SHRLIB]UETP.MLB;1
-\$255\$DUA28:[SYS.OBJ]LIB.MLB;1
-\$255\$DUA28:[SYSLIB]STARLET.MLB;2
TOTALS (all libraries)

Macros defined

9
1
27
37

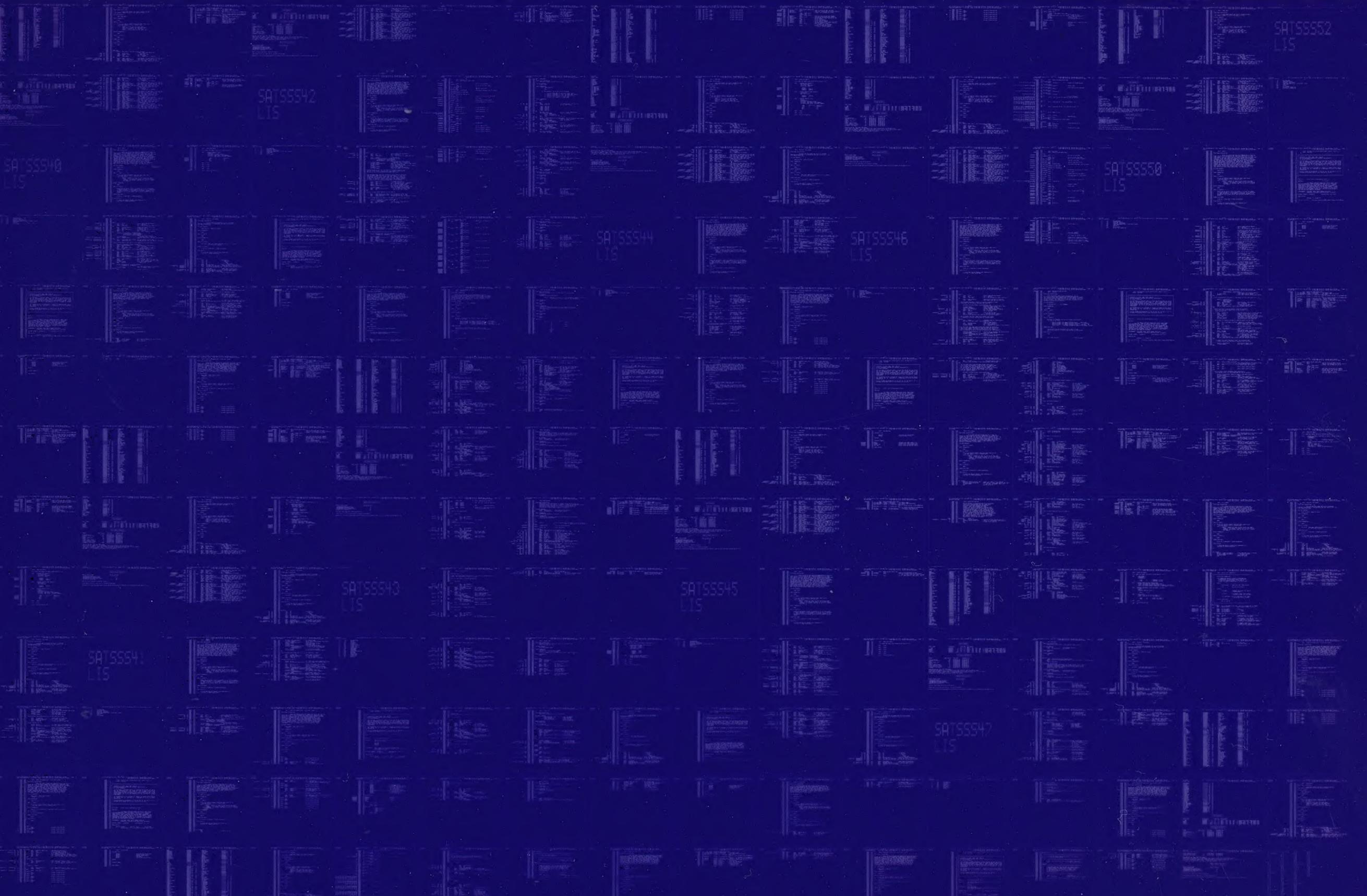
775 GETS were required to define 37 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:SATSSS52/OBJ=OBJ\$:SATSSS52 MSRC\$:\$ATSSS52/UPDATE=(ENH\$:\$ATSSS52)+EXECMLS/LIB+SHRLIB\$:\$UETP/LIB

0423 AH-BT13A-SE
VAX/VMS V4.0

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0424 AH-BT13A-SE
VAX/VMS V4.0

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SATSS556
LIS

SATSS560
LIS

SATSS571
LIS

SATSS554
LIS

SATSS573
LIS

SATSS570
LIS

SATSS572
LIS

SATSS555
LIS

SATSS561
LIS

SATSS553
LIS